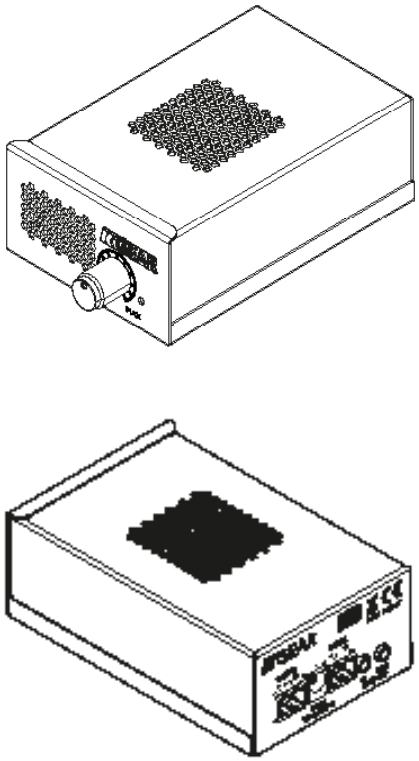


ENG

GA201

2x 125W Compact Power Amplifier

USER GUIDE



Thank you for choosing KGEAR!

To ensure proper operation, please carefully read this owner's manual and safety instruction before using the product.

After reading this manual, be sure to keep it for future reference.

Should you have any questions about your new device please contact K-array customer service at support@kgear.it or contact the local distributor in your country.

The GA201 is a compact 2-Channel power amplifier designed for high performance applications for permanent installations such ad retail shops, restaurants, hotels, pubs, disco bars and residential.

The GA201 is the perfect companion for driving the KGEAR GF, GCF, GWF loudspeakers and the GS6 subwoofer.

The compact modular design allows to fit up to 6 GA201 elements (12 channels) into 1 rack unit.

Unpacking

Each KGEAR device is inspected before leaving the factory. Upon arrival, carefully inspect the shipping carton, then examine and test your new device. If you find any damage, immediately notify the shipping company. Check that the following parts are supplied with the product:

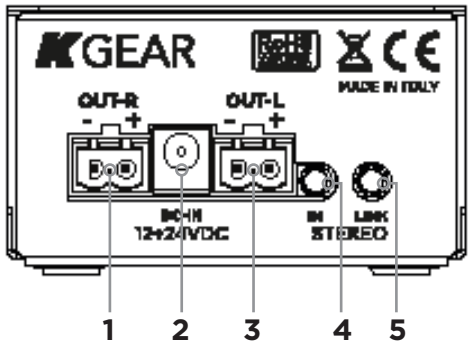
- 1x Amplifier unit
- 1x Power supply
- 1x Patch cable with 3,5 mm minijack
- 2x loudspeaker plugs 2,5/ 2-ST-5,08

AC MAINS Supply

In order to switch on the GA201 audio amplifier use the dedicated AC/DC power adapter provided in the package.

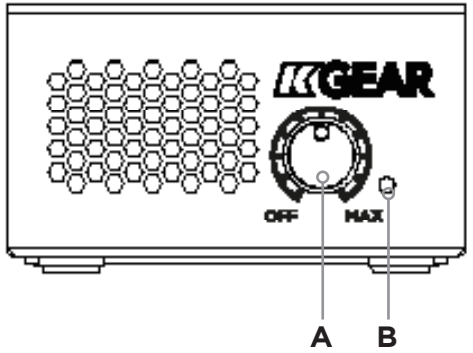
- Connect the GA201 audio amplifier to the power adapter.
- Plug the power adapter to a reliable inlet feeding 100-240V ~ AC, 50-60 Hz.
- Rotate clockwise the front potentiometer and set the output power.

Rear Panel



1. Right Channel Output Connector
2. DC-IN connector
3. Left Channel Output Connector
4. L/R Stereo input connector
5. L/R Stereo link connector

Front Panel

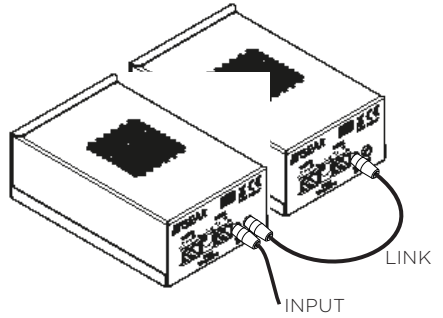


A. Power switch and volume potentiometer
B. Status LED

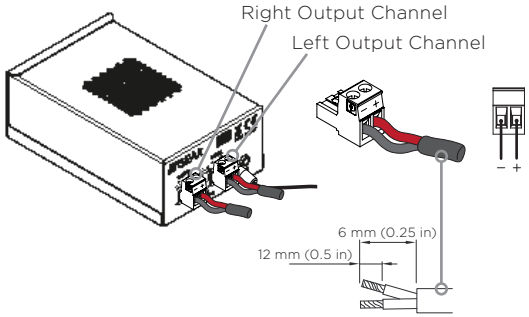
Wiring

Use the 3,5 mm (1/8 in) stereo minijack IN input connector to feed the audio amplifier with a reliable audio signal.

The LINK stereo minijack connector can be used to route the input signal to another GA201 audio amplifier.



Prepare the speaker cable: set the 2,5/ 2-ST-5,08 euroblock plugs matching the loudspeaker polarity.



KGEAR by K-array surl
via P. Romagnoli 17 - 50038 - Scarperia e San Piero - Firenze - Italy - www.kgear.it

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GA201

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IMPORTANT SAFETY INSTRUCTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol alerts the user to the presence of recommendations about the product's use and maintenance.

The lighting flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated, dangerous voltage within the product enclosure that may be of magnitude to constitute a risk of electrical shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this guide.

Operator's manual; operating instructions
This symbol identifies the operator's manual that relates to the operating instructions and indicates that the operating instructions should be considered when operating the device or control close to where the symbol is placed.

For indoor use only
This electrical equipment is designed primarily for indoor use.

WEEE
Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.

This device complies with Restriction of Hazardous Substances Directive.

Warning. Failure to follow these safety instructions could result in fire, shock or other injury or damage to the device or other property.

General heed and warnings

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
- Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Only use attachments/accessories specified by the manufacturer.
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- Clean the product only with a soft and dry fabric. Never use liquid cleaning products, as this may damage the products cosmetic surfaces.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.



- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Avoid placing the product in a location under direct sunlight or near any appliance that generates UV (Ultra Violet) light, as this may change the product surface finishing and cause a change in color.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

These apparatus are intended for professional use.

Installation and commissioning may only be carried out by qualified and authorized personnel.

- **CAUTION**: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- **WARNING**: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery, etc.)
- Before turning the power on or off for all devices, set all volume levels to minimum.
- Use only speaker cables for connecting speakers to the speaker terminals. Be sure to observe the amplifier's rated load impedance particularly when connecting speakers in parallel. Connecting an impedance load outside the amplifier's rated range can damage the apparatus.
- KGEAR will not shoulder any responsibilities for products modified without prior authorization.

Service

To obtain service:

1. Please have the serial number(s) of the unit(s) available for reference.
2. Contact the official KGEAR distributor in your country: find the Distributors and Dealers list on www.kgear.it website. Please describe the problem clearly and completely to the Customer Service.
3. You will be contacted back for on-line servicing.
4. If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

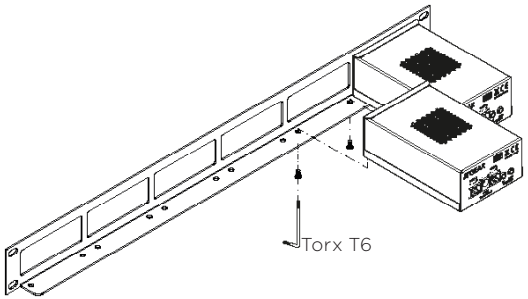
Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized K-array service center.

Cleaning

Use only a soft, dry cloth to clean the housing. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

Rack Mount Assembly

The GA201 audio amplifier can be rack mounted with the G-RACKMINI accessory. Up to 6 GA201 units can be installed in one rack unit.



Installation

According to Table 35 of IEC/EN 62368-1:2018, equipments are suitable for mounting at heights ≤ 2 m.

Install in a well ventilated location at 35°C (95°F) max environment temperature.

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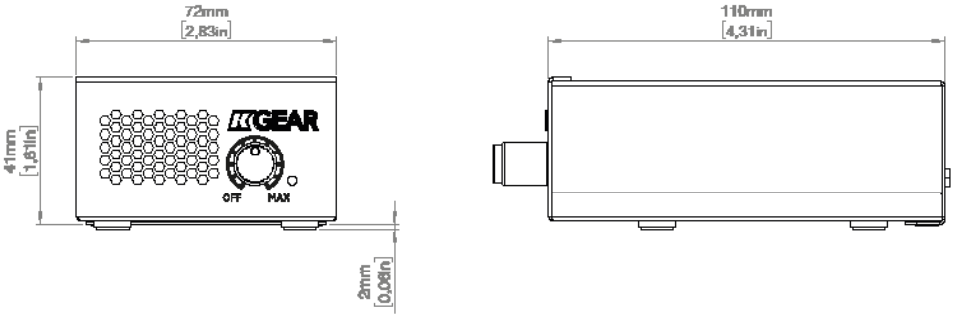
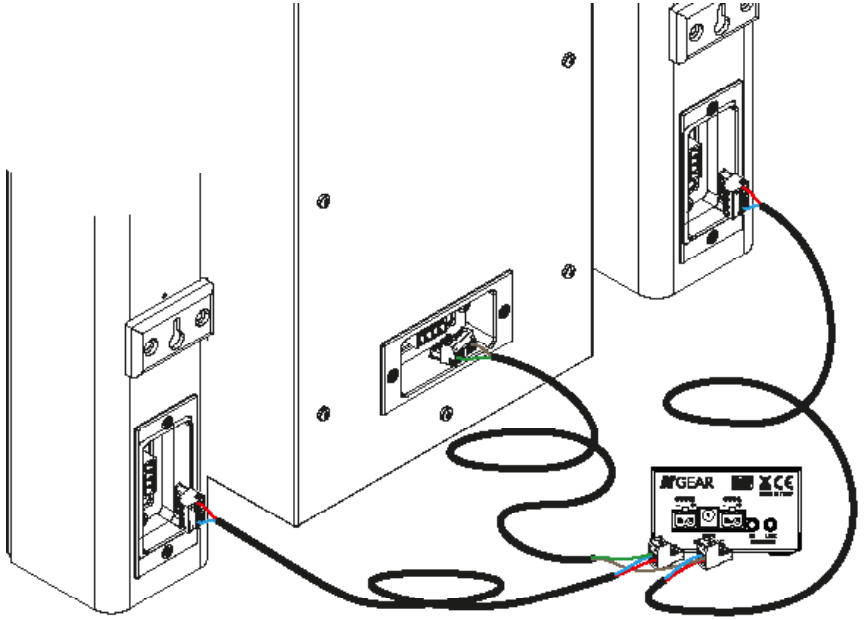
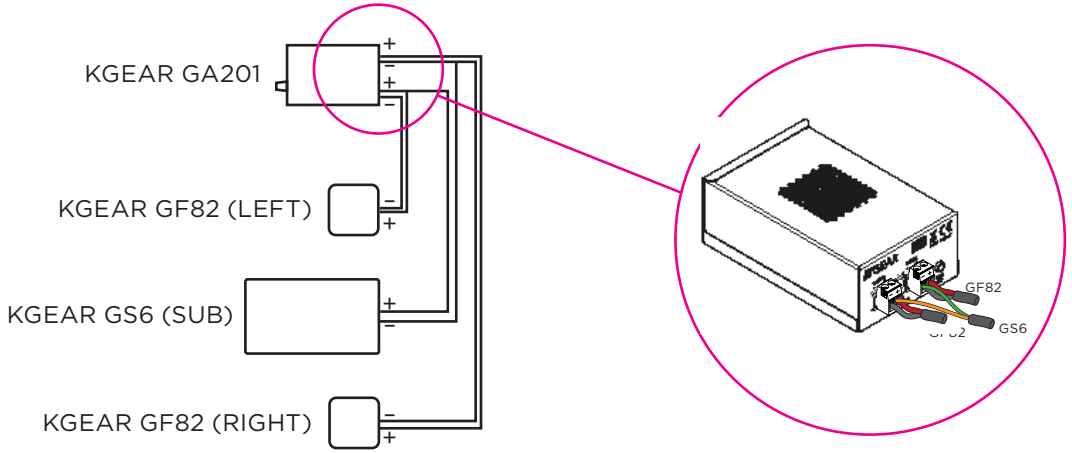
Mechanical Drawings



Example of configuration





Technical Specifications

GA201

Technical specifications
Type 2-ch Class D power amplifier
Output Power 2x 125 W_{peak} @ 4 Ω
Minimum Impedance 4 Ω (2 Ω for background music)
Frequency Response 20 Hz – 20 kHz
Operating Voltage Dedicated AC/DC power adapter: input: 100-240V ~ AC, 50-60 Hz output: 12-24 V_{DC}, 4 A
Protections Thermal protections (power limiting - thermal shutdown), short-circuit overload output protections, stationary high frequency protection
Connectors 2x Speaker Output Euroblock 2,5/ 2-ST-5,08 1x 3,5mm minijack stereo link 1x 3,5mm minijack stereo input
Handling & Finishes
Dimensions (WxLxH) 72 x 43x 134 mm (2.83 x 1.69 x 5.16 in)
Weight 1 kg (2.2 lb)